

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A flow passage (1), through which a medium can flow in a direction of flow P, of a heat exchanger having two heat exchanger surfaces (F1, F2), which lie substantially opposite one another, are in particular arranged parallel and/or at a spacing of a passage height H and each have a structure formed from a multiplicity of structure elements that are arranged next to one another in rows transversely with respect to the direction of flow P and project into the flow passage, the structure elements each having a width B, a length L, a height h, a flow-off angle  $\alpha$  and a longitudinal axis, ~~characterized in that~~ wherein at least two rows (~~17, 18, 19, 20~~) comprising structure elements (~~13, 13'~~) on substantially opposite heat exchanger surfaces (F1, F2) have an overlap ( $\ddot{U}$ ) with one another.
2. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ wherein the overlap ( $\ddot{U}$ ) is 100%.
3. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ at least one structure element (~~13~~) is elongate, in particular rectangular in form and has a straight longitudinal axis (~~13a~~).
4. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ wherein at least one structure element (14) is elongate and angled in form and has an angled longitudinal axis (~~14a, 14b~~) which forms the flow-off angle  $\alpha$  and a flow-on angle  $\beta$  with the direction of flow P.
5. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ wherein at least one structure element (15) is arcuate in form and has a longitudinal axis (~~15a~~) which is curved with a radius R and forms the flow-off angle ( $\alpha$ ) and a flow-on angle  $\beta$  with the direction of flow P.

6. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ wherein at least one structure element ~~(16)~~ is approximately Z-shaped in form and has a doubly curved longitudinal axis ~~(16a)~~ with radii ~~(R1, R2)~~ which forms the flow-off angle  $\alpha$  and a flow-on angle  $\beta$  with the direction of flow P.
7. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ at least one structure element ~~(43)~~ is V-shaped in form and has straight V limbs ~~(43a, 43b)~~.
8. (Currently amended) The flow passage as claimed in claim 1, ~~characterized in that~~ wherein at least one structure element ~~(44)~~ is V-shaped in form and has V limbs ~~(44a, 44b)~~ which are curved away from the direction of flow.
9. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 8,~~ characterized in that claim 1, wherein the height h of at least one of the structure elements ~~(13, 14, 15, 16)~~ is 20% to 50% of the passage height H.
10. (Currently amended) The flow passage as claimed in claim 9, ~~characterized in that~~ wherein the length L of at least one structure element ~~(13, 14, 15, 16)~~ is from two to twelve times the height h of the structure element.
11. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 10,~~ characterized in that claim 1, wherein the distance s between the rows amounts to 0.5 to eight times the depth T.
12. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 11,~~ characterized in that claim 1, wherein the distance s between in each case two rows varies in the direction of flow P.

13. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 10,~~  
~~characterized in that~~ claim 1, wherein at least one structure element (~~13, 14, 15, 16~~) has a  
constant width B in the range from 0.1 to 6.0 mm, preferably in the range from 0.1 to 3.0 mm.

14. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 10,~~  
~~characterized in that~~ claim 1, wherein at least one structure element (~~13, 14, 15, 16~~) has a  
width which increases in the direction of flow between a starting width B1 and a finishing  
width B2, the starting width B1 being in the range from 0.1 to 4 mm and the finishing width  
B2 being in the range from 0.1 to 6 mm.

15. (Currently amended) The flow passage as claimed in ~~one of the preceding claims,~~  
~~characterized in that~~ claim 1, wherein the flow-off angle  $\alpha$  is in the range from 20 to 70°,  
preferably in the range from 40 to 65°, and in particular has a value of from 50 to 60°.

16. (Currently amended) The flow passage as claimed in ~~one of claims 4 to 6 and 15,~~  
~~characterized in that~~ claim 4, wherein the flow-on angle  $\beta$  is in each case larger than the  
flow-off angle  $\alpha$ .

17. (Currently amended) The flow passage as claimed in claim 6, ~~characterized in that~~  
wherein the radius R is in the range from 1 to 10 mm, preferably in the range from 1 to 5 mm.

18. (Currently amended) The flow passage as claimed in ~~claims 5 and 17, characterized~~  
~~in that~~ claim 5, wherein the radii R1 and R2 are equal to the radius R.

19. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 18,~~  
~~characterized in that~~ claim 1, wherein a row (~~17, 18, 19, 20~~) in each case has identical  
structure elements (~~13, 13'~~).

20. (Currently amended) The flow passage as claimed in ~~one of claims 1 to 18,~~  
~~characterized in that~~ claim 1, wherein a row in each case has different structure elements.

21. (Currently amended) The flow passage as claimed in claim 19, ~~characterized in that~~ wherein individual structure elements (13, 14, 15, 16) are arranged next to one another in pairs (32, 33, 34, 35) at a distance a and in mirror-image fashion with respect to one another.

22. (Currently amended) The flow passage as claimed in claim 19, ~~characterized in that~~ wherein some or all the structure elements (13, 14, 15, 16) are parallel but offset with respect to one another and are arranged in pairs (36, 37, 38, 39) at a distance a transversely with respect to the direction of flow.

23. (Currently amended) The flow passage as claimed in ~~claim 21 or 22, characterized in that~~ claim 21, wherein a distance a between two structure elements may vary within at least one row.

24. (Currently amended) The flow passage as claimed in ~~claim 21 or 22, characterized in that~~ claim 21, wherein the distance a is in the range from 0 to 8 mm.

25. (Currently amended) The flow passage as claimed in ~~claim 19, 21, 22 or 24, characterized in that~~ claim 19, wherein individual structure elements (13) of a row (40) are offset by an amount f with respect to one another in the direction of flow P, the amount f being less than the depth T of the structure elements (13), and T being the projection of the length L transversely with respect to the direction of flow P.

26. (Currently amended) The flow passage as claimed in ~~claim 22 or 25, characterized in that~~ claim 22, wherein individual structure elements (13) of a row (41) are not arranged parallel and have a differing flow-off angle  $\alpha$ .

27. (Currently amended) The flow passage as claimed in ~~claim 22, 25 or 26, characterized in that~~ claim 22, wherein individual structure elements (13) of a row (42) have different lengths L1, L2.

28. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein opposite rows (17, 18, 19, 20) have an offset  $f$  in the direction of flow  $P$ ,  $f$  being less than the depth  $T$  of a row (17, 19).

29. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein some or all the structure elements (13, 13') of rows (17, 18, 19, 20, 21, 22) lying opposite one another are oppositely oriented, in particular have an opposite flow-off angle  $\alpha$ .

30. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the rows (23, 24) lying opposite one another have voids (25, 26, 27) between the structure elements (13), with structure elements (13') of the other row in each case lying opposite these voids.

31. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the structure elements of opposite rows touch one another, in particular are joined to one another by welding or soldering.

32. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein opposite rows of structure elements have the same depth  $T$  in the direction of flow  $P$ .

33. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein opposite rows of structure elements have different depths  $T_1$ ,  $T_2$  in the direction of flow  $P$ .

34. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the heat exchange surfaces which lie substantially opposite one another, and in particular the structure elements arranged thereon, are curved.

35. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the heat exchange surfaces which lie substantially opposite one another are heat-engineering primary surfaces or secondary surfaces, the secondary surfaces being formed in particular by fins, webs or the like which are preferably clamped, welded or soldered to the flow passage.

36. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the height  $h$  is in the range from 2 mm to 10 mm, in particular in the range from 3 mm to 4 mm, and is preferably around 3.7 mm.

37. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the flow passage is rectangular and has a width  $b$  which is in particular in the range from 5 mm to 120 mm, preferably in the range from 10 mm to 50 mm.

38. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a hydraulic diameter of the flow passage is in the range from 3 mm to 26 mm, in particular in the range from 3 mm to 10 mm.

39. (Currently amended) The flow passage as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein at least one, in particular each row of structure elements comprises in each case a plurality of structure elements.

40. (Currently amended) A heat exchanger, in particular an exhaust-gas cooler, in particular for a motor vehicle, having flow passages for a fluid, ~~characterized in that~~ wherein at least one flow passage is designed as described in ~~one of the preceding claims~~ claim 1.

41. (Currently amended) The heat exchanger as claimed in claim 39, ~~characterized in that~~ wherein the flow passages ~~(1)~~ are formed as soldered or welded flat or rectangular tubes ~~(7)~~ and the heat exchanger surfaces ~~(F1, F2)~~ are formed as flat tube walls.

42. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ characterized in that claim 1, wherein the flow passages are formed by stacking plates or disks which have structure elements on top of one another.

43. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ characterized in that claim 1, wherein the structure elements (~~10, 11~~) are formed into the tube walls (~~F1, F2~~), in particular by stamping.

44. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ characterized in that claim 1, wherein exhaust gas can flow through the tubes (~~7~~) and a liquid coolant can flow around the tubes (~~7~~).

45. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ characterized in that claim 1, wherein the rows (~~8, 9~~) of structure elements (~~10, 11~~) are at a distance  $s$  from one another in the direction of flow (~~7a~~) which amounts to two to six times the length  $L$  of a structure element.

46. (Currently amended) The heat exchanger as claimed in ~~one of the preceding claims,~~ characterized in that claim 1, wherein between the rows with structure elements (~~fluid 1~~) there are further rows with structure elements which project outward into fluid 2.

47. (Currently amended) The heat exchanger as claimed in claim 45, ~~characterized in that~~ wherein the outwardly projecting structure elements are supporting studs, webs or elements and touch one another or are welded or soldered to one another.

48. (Currently amended) The heat exchanger as claimed in ~~claim 45 or 46,~~ characterized in that claim 45, wherein the outwardly projecting structure elements contribute to improving the heat transfer.